

Job No.: CECTC/KRIDL/Ward No.15/2018-19

Date: 12.02.2019

TEST REPORT

CLIENT	:	Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
AGENCY	:	Technical Manager(West), KRIDL, Bangalore.
NAME OF THE WORK	:	Providing Drinking Water Works in Ward No.15 in Dasarahalli Division.
REFERENCE	:	BBMP/EE/DD/WO/014/2017-18 Date: 07.08.2017
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

SLNo	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	170 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00 %	-

Information is furnished by the Agency

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported immediately.

For Civil Experts

[Signature]

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexperts1td@gmail.com | URL : www.civilexperts.co.in

Job No.:

CECTC/KRIDL/Ward No.15/2018-19

Date : 12.02.2019

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
Agency : Technical Manager(West), KRIDL, Bangalore.
Name of Work : Providing Drinking Water Works in Ward No.15 in Dasarahalli Division.
Reference : BBMP/EE/DD/VO/014/2017-18 Date: 07.08.2017
Date of Testing : 12.02.2019
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

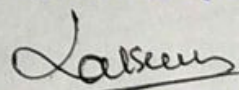
Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	512	3.41	3.41	96.59	95-100
20	8514	56.76	60.17	39.83	30-70
10	3216	21.44	81.61	18.39	10-35
4.75	2389	15.93	97.54	2.46	0-5

Information is furnished by the Agency

Note:

The report shall not be reproduced, except in full, without the written approval of the laboratory.
The results indicated above are based on the tests carried out on the samples received in the laboratory.
Any Query regarding the report must be reported immediately.

For Civil Experts


Authorised Signature

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.:

CECTC/KRIDL/Ward No.15/2018-19

Date : 13.02.2019

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
Agency : Technical Manager(West), KRIDL, Bangalore.
Name of Work : Providing Drinking Water Works in Ward No.15 in Dasarahalli Division.
Reference : BBMP/EE/DD/WO/014/2017-18 Date: 07.08.2017
Date of Testing : 13.02.2019
Material : Sand for Mortar

Total Wt. of Aggregates **1500**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits IS 1542-1992
4.75	35	2.33	2.33	97.7	95-100
2.36	31	2.07	4.40	95.6	95-100
1.18	59	3.93	8.33	91.7	90-100
600 Micron	62	4.13	12.47	87.5	80-100
300 Micron	517	34.47	46.93	53.1	20-65
150 Micron	742	49.47	96.40	3.6	0-15

Information is furnished by the Agency

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported immediately.

Signature

For Civil Experts

Signature
Authorised Signature

Job No.: CECTC/KRIDL/Ward No.15/2018-19

Date: 14.02.2019

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
Agency : Technical Manager(West), KRIDL, Bangalore.
Name of Work : Providing Drinking Water Works in Ward No.15 in Dasarahalli Division.
Reference : BBMP/EE/DD/WO/014/2017-18 Date: 07.08.2017
Sample Identification : 8mm, 10mm, 12mm, 16mm TMT Fe 500 Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test: : 14.02.2019

Sl.No	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
			0.20 % proof stress/ yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation, percent on gauge length
1	8	0.391	522	564	15
2	10	0.623	538	579	16
3	12	0.886	557	602	17
4	16	1.578	578	625	19

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

10/3

Civil Experts

Laxman

Authorised Signature

Job No.: CECTC/KRIDL/Ward No.15/2018-19

Date: 14.02.2019

TEST REPORT ON PRE-POLISHED DESIGNER CEMENT CONCRETE TILES

Client : Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
Agency : Technical Manager(West), KRIDL, Bangalore.
Name of the Work : Providing Drinking Water Works in Ward No.15 in Dasarahalli Division.
Reference : BBMP/EE/DD/WO/014/2017-18 Date: 07.08.2017
Sample ID : Pre-Polished Designer Cement Concrete Tiles
Technical Reference : IS: 1237-1980 (Reaffirmed 2006)
No. of Samples Tested : 12 (Twelve)

I. WET TRANSVERSE STRENGTH TEST:

Sl. No.	Measured Dimension (mm)	Wet Transverse Strength (N/mm ²)	Average (N/mm ²)	Requirement as per IS: 1237-1980 (Reaffirmed 2006)
1	300 x 300 x 24.8	6.8	6.55	The average wet transverse strength should not be less than 3.0 N/mm ² when 6 full size tiles are tested.
2	300 x 300 x 24.8	6.6		
3	300 x 300 x 24.6	6.9		
4	300 x 300 x 24.5	6.1		
5	300 x 300 x 25.1	6.2		
6	300 x 300 x 24.9	6.7		

II. WATER ABSORPTION TEST:

Sl. No.	Measured Dimension (mm)	Water Absorption (% by Wt)	Average (% by Wt)	Requirement as per IS: 1237-1980 (Reaffirmed 2006)
1	300 x 300 x 24.8	3.2	2.95	The average percentage of water absorption should not exceed 10% when 6 full size tiles are tested.
2	300 x 300 x 24.7	2.9		
3	300 x 300 x 24.9	2.7		
4	300 x 300 x 24.7	2.8		
5	300 x 300 x 25.1	3.1		
6	300 x 300 x 24.9	3.0		

Signature

Signature

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexperts1td@gmail.com | URL : www.civilexperts.co.in

III. STAIN RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	600 x 600 x 10	Stain Removed by Water	Class 1, min (13630 Part 8)
2	600 x 600 x 10	Stain Removed by Water	
3	600 x 600 x 10	Stain Removed by Water	
4	600 x 600 x 10	Stain Removed by Water	
5	600 x 600 x 10	Stain Removed by Water	

*Information is furnished by the Client

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

ea3

For Civil Experts

Labu

Authorised Signature

Job No: CECTC/KRIDL/Ward No.15/2018-19

Date: 03.04.2019

TEST REPORT ON CONCRETE CUBES

Client : Assistant Executive Engineer, T. Dasarahalli Sub Division,
BBMP, Bangalore.
Agency : Technical Manager(West), KRIDL, Bangalore.
Name of Work : Providing Drinking Water Works in Ward No.15 in Dasarahalli
Division.
Reference : BBMP/EE/DD/WO/014/2017-18 Date: 07.08.2017
Sample ID : Cement Concrete
Location : Plinth Beam
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M20
Compressive Strength as : 28th days
on

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	06.03.2019	03.04.2019	8.244	498.6	22.16
2	06.03.2019	03.04.2019	8.236	516.7	22.96
3	06.03.2019	03.04.2019	8.219	528.4	23.48

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

Signature

Signature

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexperts@gmail.com | URL : www.civilexperts.co.in

Job No: CECTC/KRIDL/Ward No.15/2018-19

Date: 08.04.2019

TEST REPORT ON CONCRETE CUBES

Client : Assistant Executive Engineer, T. Dasarahalli Sub Division,
BBMP, Bangalore.
Agency : Technical Manager(West), KRIDL, Bangalore.
Name of Work : Providing Drinking Water Works in Ward No.15 in Dasarahalli
Division.
Reference : BBMP/EE/DD/WO/014/2017-18 Date: 07.08.2017
Sample ID : Cement Concrete
Location : Chejja
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M20
Compressive Strength as : 28th days
on

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	11.03.2019	08.04.2019	8.210	476.8	21.19
2	11.03.2019	08.04.2019	8.198	519.4	23.08
3	11.03.2019	08.04.2019	8.235	508.7	22.61

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

[Signature]

[Signature]

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexperts1td@gmail.com | URL : www.civilexperts.co.in